CONFIDENTIAL

[redacted]

[redacted]

25X1

25X1

9 December 1966

[redacted]

25X1

[redacted]

25X1

Subject: [redacted] Progress Report - October 1966, Project [redacted]

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Gentlemen:

Enclosed is a copy of [redacted] Progress Report on Project [redacted] for the period covered October 1966. Also included is a copy of our Financial Report for this period.

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Very truly yours,

[redacted]

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LHB/aw
Encl: (1) P.R.
(2) F.R.

[redacted]

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CONFIDENTIAL

GROUP 1
EXCLUDED FROM AUTOMATIC
DOWNGRADING AND
DECLASSIFICATION

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25X1 [redacted] PROGRESS REPORT

Period Covered: October 1966

25X1 Document No.: [redacted]

Dated: November 18, 1966

PRESENT STATUS

25X1 [redacted] Unit is ready for delivery except for the correction of a small noise problem in the lamp dimming circuit and other small changes resulting from the customers technical representatives visit of October 28, 1966.

25X1 [redacted] Unit is being readied for final checkout. All

25X1 changes made [redacted] during the test and debug phase have been

25X1 also incorporated [redacted] so there should be no additional problem areas with the exception of film tracking and possibly the high intensity light source.

PROBLEM AREAS

25X1 [redacted] Electrical noise in lamp dimming circuit- When the lamp intensity is set low and the film is being transported at low speeds, electrical noise generated by the film transport is finding its way into the dimming circuit. Electrical filtering and isolation of the dimming circuit and/or the motor control circuit will be employed to solve this problem.

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25X1 [redacted] Film Tracking- The solution to the problem found on the [redacted] to the tendency for the film to track off to the side because of the roller arrangement used, cannot be applied 25X1 [redacted] a film platen was employed and there was consequently more latitude in the possible redesign of the guide roller path to eliminate the tracking problem. On the [redacted] 25X1 film roller guide path is established by the film tensioning method employed and this another method must be found to solve the problem. It is hoped that the incorporation of polished chrome plated rollers in place of the original segmented nylon ones will decrease the friction between the film and the roller surface sufficiently to prevent slight roller misadjustment from causing the film to drift to the side during transport.

PROJECTED WORK FOR NOVEMBER

25X1 [redacted] Small changes will be completed, unit submitted to OPTOmechanisms Q.C. final inspection and shipped.

25X1 [redacted] Unit will be made ready for a preliminary inspection by the customers technical representative.

SUMMARY OF CORRESPONDENCE

Visit to customer's facility [redacted] 25X1 on 25X1 October 12, 1966. [redacted] installed new polished chrome plated 25X1 rollers [redacted] and replaced a component in the motor controllers with one of higher rating. This was done because this component had failed in operation in the similar [redacted] motor control circuit 25X1 and analysis showed that there was not a sufficient margin of safety in its rated capacity.

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Visit by [redacted] customer's technical repres- 25X1

25X1 entative [redacted] on October 28, 1966.- Purpose of

25X1 the visit was to inspect [redacted] Unit was demonstrated and customers representative requested that various small changes be made before the unit was delivered. Among these were:

1) Eliminate lamp flicker during film transport.

2) Eliminate tendency for X carriage to life out of Vee guide when it is moved by applying pressure at the very front of the carriage.

3) Install rubber bumpers on both X & Y carriage stops.

4) Check variation of microscope to film plane distance

25X1 over format [redacted] indicated that this may be done by observing resolution targets through the microscope at difference positions over the format. He indicated that resolution should be no worse

25X1 than 200 lines/mm [redacted]

Customer representative was assured [redacted] 25X1

25X1 [redacted] that these things would be done before unit was delivered.

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